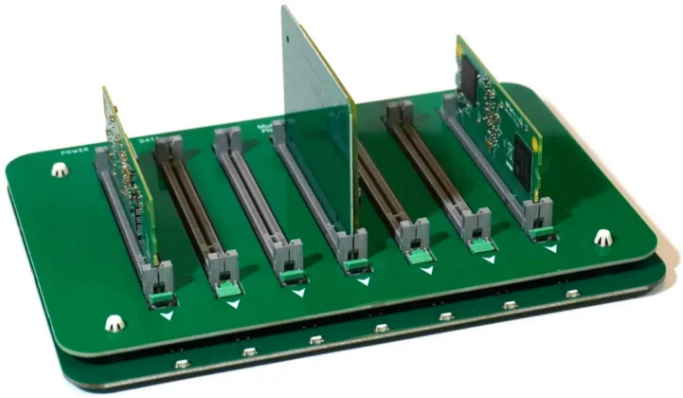
MultiCM Flasher

Program up to 7 Raspberry Pi Compute Modules in parallel.



WHAT YOU NEED

1 x MultiCM Flasher

1 x Raspberry Pi USB-C power supply

1 x USB-A to USB-C **data** cable

Linux PC: **Ubuntu 24.04 or newer** recommended

Compatible OS image (**.img**)

Modules: CM3, CM3+, CM4S, CM4 or CM5 with eMMC.

Lite / microSD variants are not supported.

BOTH USB CONNECTIONS ARE REQUIRED

The flasher only operates when both the USB power cable and the USB-C data cable are connected.

01 Install the software (once)

Install **balenaEtcher** from etcher.balena.io. Open a terminal and install the latest official **rpiboot**:

```
sudo apt update
sudo apt install -y git libusb-1.0-0-dev pkg-config build-essential
git clone --recurse-submodules https://github.com/raspberrypi/usbboot
cd usbboot
make
sudo make install
```

02 Insert modules and connect both cables

With **both USB cables disconnected**, insert the modules securely. CM4 and CM5 require the appropriate adapter boards. Connect the USB-C power supply to the power input, then connect the data cable between the flasher's data port and the PC.

03 Make the modules appear as drives

```
sudo rpiboot -l
```

Keep the terminal open. Wait until **every connected module** appears as a USB mass-storage drive.

04 Flash with balenaEtcher

Flash from file: choose your .img file. **Select target:** select the intended module drives. Click **Flash!** and wait until writing and validation finish successfully for every module.

Flashing erases the selected drives. Check the targets carefully.

After completion, press **Ctrl+C** in the terminal. Eject any mounted module drives, disconnect both USB cables, then remove the modules.